



National Cancer Institute  
National Institutes of Health  
U.S. Department of Health and Human Services

**NCI Center for Strategic Scientific Initiatives (CSSI) “Science Day”**  
**Natcher Building (45), Room A**  
**NIH Campus**  
**Bethesda, MD**

***Thursday, June 27***

**AGENDA**

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|------------------------|---|
| 8:25 a.m. – 8:30 a.m.  | <b>Welcome Remarks and Introductions</b><br>Douglas R. Lowy, M.D.<br>Office of the Director<br>Center for Strategic Scientific Initiatives<br>National Cancer Institute, NIH  |
| 8:30 a.m. – 8:55 a.m.  | <b>Overview of the NCI CSSI</b><br>Douglas R. Lowy, M.D.<br>Office of the Director<br>Center for Strategic Scientific Initiatives<br>National Cancer Institute, NIH   |
| 8:55 a.m. – 9:00 a.m.  | <b>Goals and Intent of “Science Day”</b><br>Jerry S.H. Lee, Ph.D.<br>Office of the Director<br>Center for Strategic Scientific Initiatives<br>National Cancer Institute, NIH  |
| 9:00 a.m. – 10:10 a.m. | <b>Office of Cancer Clinical Proteomics Research (OCCPR) Session</b><br>Moderator: Christopher Kinsinger, Ph.D.<br>Office of Cancer Clinical Proteomics Research<br>Center for Strategic Scientific Initiatives<br>National Cancer Institute, NIH |
| 9:00 a.m. – 9:10 a.m.  | <b>OCCPR Update</b><br>Henry Rodriguez, Ph.D., M.B.A.<br>Office of Cancer Clinical Proteomics Research<br>Center for Strategic Scientific Initiatives<br>National Cancer Institute, NIH   |

### ***Project Presentations***

9:10 a.m. – 9:40 a.m.

#### ***Bridging the Gap Between Cancer Genotype and Phenotype With Proteomics***

Daniel C. Liebler, Ph.D.  
Vanderbilt-Ingram Cancer Center

9:40 a.m. – 10:10 a.m.

#### ***Proteogenomic Techniques for Identifying Recurrent Genomic Lesions in Ovarian Cancer***

Vineet Bafna, Ph.D.  
University of California, San Diego

10:10 a.m. – 10:25 a.m.

#### **Discussion and Brainstorm**

Moderator: Henry Rodriguez, Ph.D., M.B.A.  
Office of Cancer Clinical Proteomics Research  
Center for Strategic Scientific Initiatives  
National Cancer Institute, NIH

10:25 a.m. – 10:35 a.m.

#### **Break**

10:35 a.m. – 11:45 a.m.

#### **Office of Physical Sciences-Oncology (OPSO) Session**

Moderator: Sean Hanlon, Ph.D.  
Office of Physical Sciences-Oncology  
Center for Strategic Scientific Initiatives  
National Cancer Institute, NIH

10:35 a.m. – 10:45 a.m.

#### ***OPSO Update***

Larry A. Nagahara, Ph.D.  
Office of Physical Sciences-Oncology  
Center for Strategic Scientific Initiatives  
National Cancer Institute, NIH

### ***Project Presentations***

10:45 a.m. – 11:15 a.m.

#### ***Long-Range Mechanical Interactions Are Necessary For Ras-Transformed Mammary Acini to Rapidly Transition to an Invasive Phenotype***

Jan Liphardt, Ph.D.  
Stanford University

11:15 a.m. – 11:45 a.m.

#### ***The Tragedy of the Commons and Cancer Control***

Robert Austin, Ph.D.  
Princeton University

11:45 a.m. – 12 noon

#### **Discussion and Brainstorm**

Moderator: Sean Hanlon, Ph.D.  
Office of Physical Sciences-Oncology  
Center for Strategic Scientific Initiatives  
National Cancer Institute, NIH

12 noon – 1:00 p.m.	<b>Lunch</b> (on your own)
1:00 p.m. – 2:10 p.m.	<b>CSSI Office of the Director (OD) Session</b> Moderator: Emily Greenspan, Ph.D. Office of the Director Center for Strategic Scientific Initiatives National Cancer Institute, NIH
1:00 p.m. – 1:30 p.m.	<b>Veterans Affairs Healthcare and Informatics System</b> Ross Fletcher, M.D. Washington DC VA Medical Center  <b>Project Presentations</b>
1:30 p.m. – 1:45 p.m.	<b>No Cell Left Behind in the High-Definition Circulating Tumor Cell Assay, an Enrichment-Free Fluid Biopsy</b> Peter Kuhn, Ph.D. The Scripps Research Institute
1:45 p.m. – 2:10 p.m.	<b>High-Content Single-Cell Analysis in Hepatocellular Carcinoma</b> Randolph Schaffer, M.D. Scripps Health
2:10 p.m. – 2:30 p.m.	<b>Discussion and Brainstorm</b> Moderator: Tony Dickherber, Ph.D. Office of the Director Center for Strategic Scientific Initiatives National Cancer Institute, NIH
2:30 p.m. – 2:35 p.m.	<b>Break</b>
2:35 p.m. – 3:45 p.m.	<b>Office of Cancer Nanotechnology Research (OCNR) Session</b> Moderator: Dorothy Farrell, Ph.D. Office of Cancer Nanotechnology Research Center for Strategic Scientific Initiatives National Cancer Institute, NIH
2:35 p.m. – 2:45 p.m.	<b>OCNR Update</b> Piotr Grodzinski, Ph.D. Office of Cancer Nanotechnology Research Center for Strategic Scientific Initiatives National Cancer Institute, NIH  <b>Project Presentations</b>
2:45 p.m. – 3:15 p.m.	<b>Predicting Targeted Therapy Combinations for GBM</b> James Heath, Ph.D. California Institute of Technology
3:15 p.m. – 3:45 p.m.	<b>Targeted Tumor-Penetrating siRNA Nanocomplexes for Cancer Therapy</b> Sangeeta Bhatia, M.D., Ph.D. Massachusetts Institute of Technology

3:45 p.m. – 4:00 p.m.

**Discussion and Brainstorm**

Moderator: Piotr Grodzinski, Ph.D.  
Office of Cancer Nanotechnology Research  
Center for Strategic Scientific Initiatives  
National Cancer Institute, NIH

4:00 p.m. – 4:10 p.m.

**Break**

4:10 p.m. – 4:45 p.m.

**Feedback From Extramural Participants**

Moderator: Douglas R. Lowy, M.D.  
Office of the Director  
Center for Strategic Scientific Initiatives  
National Cancer Institute, NIH

4:45 p.m. – 5:15 p.m.

**Final Discussion, Wrap-up, and Action Item(s)**

Moderator: Jerry S.H. Lee, Ph.D.  
Office of the Director  
Center for Strategic Scientific Initiatives  
National Cancer Institute, NIH

5:15 p.m.

**Adjournment**